

## REMARKS

Claims 31 – 49 are currently pending in the application and a new claim 50 has been added. Claims 1-30 have been canceled in previous amendments.

### *Claim Rejections under 35 USC 101*

In this section of the Final official action, Claims 31 – 49 were rejected under 35 USC 101 as being directed to non-statutory subject matter.

Claims 31 to 49 have now been amended to be directed to being practiced as part of a control system for a *manufacturing* process, and furthermore to produce a result which includes some kind of control of the manufacturing process.

A manufacturing process is believed to be a statutory process since it necessarily exists in the outside world and affects machines and materials in the outside world.

It is therefore believed that the amended claims positively exclude algorithms being used in an abstract way for producing an abstract result that may for example exist only on the computer.

Thus the claims are now directed to the technological arts and therefore define statutory subject matter.

A new claim 50 is added that specifies that the manufacturing process is one for the manufacture of semiconductor wafers.

### *Claims Rejections under 35 USC 112*

It is believed that the above-referred to amendments to the claims overcome the rejections under 35 USC 112 since there is now clearly pointed out a practical utility for the invention, namely control of a manufacturing process.

All of the matters raised by the Examiner have been dealt with and are believed to have been overcome. In view of the foregoing, it is respectfully submitted that all the claims now pending in the application are allowable over the cited reference. An early Notice of Allowance is therefore respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Sol Sheinbein', written in a cursive style.

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